

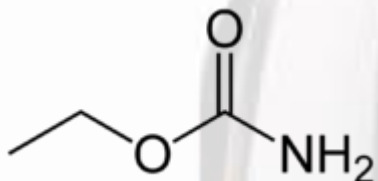
# ETHYL CARBAMATE IN ALCOHOLIC BEVERAGES

**UAB**

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Carbamic acid ethyl ester



Carcinogenic and genotoxic agent

Acceptable Daily Intake:  
0,3 mg/kg of body weight

Maximum concentration limits of CE  
in wine:

- Canada: 30 µg/L
- US: 15 µg/L (recommended)
- EU: 30 µg/L (recommended)

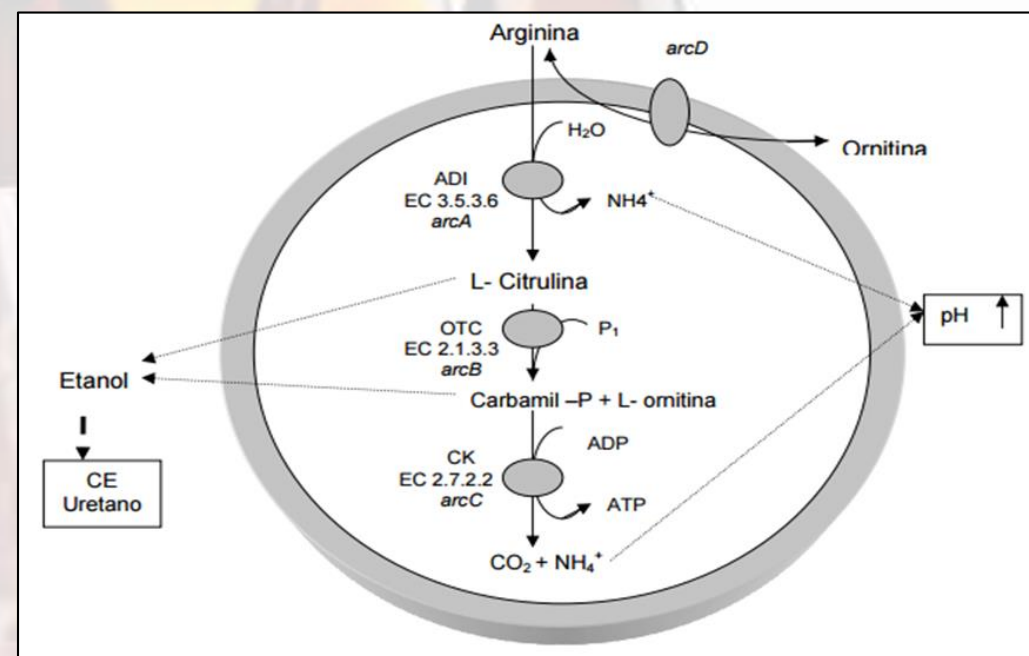


It is found in some foods:

- Alcoholic beverages
- Bread
- Dairy products

FORMATION:

- via urea
- Hydrocyanic acid via
- Through other precursors



Some factors can increase or reduce CE formation

Bebidas reguladas	µg/L CE
Vino de mesa	30
Vinos generosos	100
Destilados y aguardientes	150
Sake	200
Licores	400